RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/534,171
Source: TFWP
Date Processed by STIC: 08/04/2006

ENTERED

IFWP

RAW SEQUENCE LISTING DATE: 08/04/2006
PATENT APPLICATION: **US/10/534,171** TIME: 12:55:59

Input Set : **E:\3912.1000-000 seq list.txt**
Output Set: **N:\CRF4\08042006\J534171.raw**

<110> APPLICANT: Porro, Danilo
Branduardi, Paola
Valli, Minoska
Alberghina, Lilia
<120> TITLE OF INVENTION: Process for Expression and Secretion of Proteins by the Non-Conventional Yeast Zygosaccharomyces Bailii
<130> FILE REFERENCE: 3912.1000-000
<140> CURRENT APPLICATION NUMBER: 10/534,171
<141> CURRENT FILING DATE: 2005-05-06
<150> PRIOR APPLICATION NUMBER: PCT/EP2003/012377
<151> PRIOR FILING DATE: 2003-11-06
<150> PRIOR APPLICATION NUMBER: 102 52 245.6
<151> PRIOR FILING DATE: 2002-11-07
<160> NUMBER OF SEQ ID NOS: 95
<170> SOFTWARE: FastSEQ for Windows Version 4.0
<210> SEQ ID NO: 1
<211> LENGTH: 57
<212> TYPE: DNA
<213> ORGANISM: Saccharomyces cerevisiae
<400> SEQUENCE: 1
cgacagtaaa ttttgccgaa tttaatagct tctactgaaa aacagtggac catgtga 57
<210> SEQ ID NO: 2
<211> LENGTH: 19
<212> TYPE: PRT
<213> ORGANISM: Saccharomyces cerevisiae
<400> SEQUENCE: 2
Met Arg Phe Pro Ser Ile Phe Thr Ala Val Leu Phe Ala Ala Ser Ser
1 5 10 15
Ala Leu Ala
<210> SEQ ID NO: 3
<211> LENGTH: 255
<212> TYPE: DNA
<213> ORGANISM: Saccharomyces cerevisiae
<400> SEQUENCE: 3
cgacagtaaa ttttgccgaa tttaatagct tctactgaaa aacagtggac catgtgaaaa 60
gatgcatctc atttatcaaa cacataatat tcaagtgagc cttacttcaa ttgtattgaa 120
gtgcaagaaa accaaaaagc aacaacaggt tttggataag tacatatata agagggcctt 180
ttgttcccat caaaaatgtt actgttctta cgattcattt acgattcaag aatagttcaa 240
acaagaagat tacaa 255
<210> SEQ ID NO: 4
<211> LENGTH: 85
<212> TYPE: PRT

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<213> ORGANISM: Saccharomyces cerevisiae

<400> SEQUENCE: 4

```
Met Arg Phe Pro Ser Ile Phe Thr Ala Val Leu Phe Ala Ala Ser Ser
 1               5                  10                  15
Ala Leu Ala Ala Pro Val Asn Thr Thr Thr Glu Asp Glu Thr Ala Gln
            20                  25                  30
Ile Pro Ala Glu Ala Val Ile Gly Tyr Leu Asp Leu Glu Gly Asp Phe
        35                  40                  45
Asp Val Ala Val Leu Pro Phe Ser Asn Ser Thr Asn Asn Gly Leu Leu
    50                  55                  60
Phe Ile Asn Thr Thr Ile Ala Ser Ile Ala Ala Lys Glu Glu Gly Val
65                  70                  75                  80
Ser Leu Asp Lys Arg
                85
```

<210> SEQ ID NO: 5
<211> LENGTH: 63
<212> TYPE: DNA
<213> ORGANISM: Aspergillus niger

<400> SEQUENCE: 5

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atgatggtcg cgtggtggtc tctatttctg tacggccttc aggtcgcggc acctgctttg 60
gct                                                                63
```

<210> SEQ ID NO: 6
<211> LENGTH: 21
<212> TYPE: PRT
<213> ORGANISM: Aspergillus niger

<400> SEQUENCE: 6

```
Met Met Val Ala Trp Trp Ser Leu Phe Leu Tyr Gly Leu Gln Val Ala
 1               5                  10                  15
Ala Pro Ala Leu Ala
            20
```

<210> SEQ ID NO: 7
<211> LENGTH: 93
<212> TYPE: DNA
<213> ORGANISM: Bacillus sp.

<400> SEQUENCE: 7

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atgcaaaaca cagcgaaaaa ctccatctgg cagagggtgc gccacagcgc cattgcctta 60
tccgctctca gtttatcctt tggcctgcag gcc                               93
```

<210> SEQ ID NO: 8
<211> LENGTH: 31
<212> TYPE: PRT
<213> ORGANISM: Bacillus sp.

<400> SEQUENCE: 8

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Met Gln Asn Thr Ala Lys Asn Ser Ile Trp Gln Arg Val Arg His Ser
 1               5                  10                  15
Ala Ile Ala Leu Ser Ala Leu Ser Leu Ser Phe Gly Leu Gln Ala
            20                  25                  30
```

<210> SEQ ID NO: 9
<211> LENGTH: 63
<212> TYPE: DNA

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Input Set : **E:\3912.1000-000 seq list.txt**
Output Set: **N:\CRF4\08042006\J534171.raw**

<213> ORGANISM: Aspergillus oryzae
<400> SEQUENCE: 9
atgcagtcca tcaagcgtac cttgctcctc ctcggagcta tccttcccgc ggtcctcggt 60
gcc 63
<210> SEQ ID NO: 10
<211> LENGTH: 21
<212> TYPE: PRT
<213> ORGANISM: Aspergillus oryzae
<400> SEQUENCE: 10
Met Gln Ser Ile Lys Arg Thr Leu Leu Leu Leu Gly Ala Ile Leu Pro
1 5 10 15
Ala Val Leu Gly Ala
20
<210> SEQ ID NO: 11
<211> LENGTH: 75
<212> TYPE: DNA
<213> ORGANISM: Bacillus amyloliquefaciens
<400> SEQUENCE: 11
atgaaacgag tgttgctaat tcttgtcacc ggattgttta tgagtttgtg tgggatcact 60
tctagtgttt cggct 75
<210> SEQ ID NO: 12
<211> LENGTH: 25
<212> TYPE: PRT
<213> ORGANISM: Bacillus amyloliquefaciens
<400> SEQUENCE: 12
Met Lys Arg Val Leu Leu Ile Leu Val Thr Gly Leu Phe Met Ser Leu
1 5 10 15
Cys Gly Ile Thr Ser Ser Val Ser Ala
20 25
<210> SEQ ID NO: 13
<211> LENGTH: 51
<212> TYPE: DNA
<213> ORGANISM: Saccharomycopsis fibuligera
<400> SEQUENCE: 13
atgttgatga tagtacagct tttggtcttt gcactaggcc ttgctgttgc t 51
<210> SEQ ID NO: 14
<211> LENGTH: 17
<212> TYPE: PRT
<213> ORGANISM: Saccharomycopsis fibuligera
<400> SEQUENCE: 14
Met Leu Met Ile Val Gln Leu Leu Val Phe Ala Leu Gly Leu Ala Val
1 5 10 15
Ala
<210> SEQ ID NO: 15
<211> LENGTH: 51
<212> TYPE: DNA
<213> ORGANISM: Saccharomycopsis fibuligera
<400> SEQUENCE: 15
atgttgttga ttttggaact cttagtactt attatagggc ttggagttgc t 51

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Input Set : **E:\3912.1000-000 seq list.txt**
Output Set: **N:\CRF4\08042006\J534171.raw**

<210> SEQ ID NO: 16
<211> LENGTH: 17
<212> TYPE: PRT
<213> ORGANISM: Saccharomycopsis fibuligera
<400> SEQUENCE: 16
Met Leu Leu Ile Leu Glu Leu Leu Val Leu Ile Ile Gly Leu Gly Val
 1 5 10 15
Ala

<210> SEQ ID NO: 17
<211> LENGTH: 66
<212> TYPE: DNA
<213> ORGANISM: Hypocrea pecorina
<400> SEQUENCE: 17
atggcgccct cagttacact gccgttgacc acggccatcc tggccattgc ccggctcgtc 60
gccgcc 66

<210> SEQ ID NO: 18
<211> LENGTH: 22
<212> TYPE: PRT
<213> ORGANISM: Hypocrea pecorina
<400> SEQUENCE: 18
Met Ala Pro Ser Val Thr Leu Pro Leu Thr Thr Ala Ile Leu Ala Ile
 1 5 10 15
Ala Arg Leu Val Ala Ala
 20

<210> SEQ ID NO: 19
<211> LENGTH: 63
<212> TYPE: DNA
<213> ORGANISM: Hypocrea pecorina
<400> SEQUENCE: 19
atgaacaagt ccgtggctcc attgctgctt gcagcgtcca tactatatgg cggcgccgtc 60
gca 63

<210> SEQ ID NO: 20
<211> LENGTH: 21
<212> TYPE: PRT
<213> ORGANISM: Hypocrea pecorina
<400> SEQUENCE: 20
Met Asn Lys Ser Val Ala Pro Leu Leu Leu Ala Ala Ser Ile Leu Tyr
 1 5 10 15
Gly Gly Ala Val Ala
 20

<210> SEQ ID NO: 21
<211> LENGTH: 48
<212> TYPE: DNA
<213> ORGANISM: Arxula adeninivorans
<400> SEQUENCE: 21
atgcgtcagt ttctagcact tgctgctgct gcttccatag cggtggca 48

<210> SEQ ID NO: 22
<211> LENGTH: 18
<212> TYPE: PRT

RAW SEQUENCE LISTING DATE: 08/04/2006
PATENT APPLICATION: **US/10/534,171** TIME: 12:55:59

Input Set : **E:\3912.1000-000 seq list.txt**
Output Set: **N:\CRF4\08042006\J534171.raw**

257 <213> ORGANISM: Arxula adeninivorans
259 <400> SEQUENCE: 22
260 Met Arg Gln Phe Leu Ala Leu Ala Ala Ala Ala Ser Ile Ala Val Ala
261 1 5 10 15
262 Asp Ser
266 <210> SEQ ID NO: 23
267 <211> LENGTH: 57
268 <212> TYPE: DNA
269 <213> ORGANISM: Homo sapiens
271 <400> SEQUENCE: 23
272 atgcagcgac tatgtgtgta tgtgctgatc tttgcactgg ctctggccgc cttctct 57
274 <210> SEQ ID NO: 24
275 <211> LENGTH: 19
276 <212> TYPE: PRT
277 <213> ORGANISM: Homo sapiens
279 <400> SEQUENCE: 24
280 Met Gln Arg Leu Cys Val Tyr Val Leu Ile Phe Ala Leu Ala Leu Ala
281 1 5 10 15
282 Ala Phe Ser
286 <210> SEQ ID NO: 25
287 <211> LENGTH: 75
288 <212> TYPE: DNA
289 <213> ORGANISM: Rhizopus oryzae
291 <400> SEQUENCE: 25
292 atgcaactgt tcaatttgcc attgaaagtt tcattctttc tcgtcctctc ttacttttct 60
293 ttgctcgttt ctgct 75
295 <210> SEQ ID NO: 26
296 <211> LENGTH: 25
297 <212> TYPE: PRT
298 <213> ORGANISM: Rhizopus oryzae
300 <400> SEQUENCE: 26
301 Met Gln Leu Phe Asn Leu Pro Leu Lys Val Ser Phe Phe Leu Val Leu
302 1 5 10 15
303 Ser Tyr Phe Ser Leu Leu Val Ser Ala
304 20 25
307 <210> SEQ ID NO: 27
308 <211> LENGTH: 48
309 <212> TYPE: DNA
310 <213> ORGANISM: Aspergillus niger
312 <400> SEQUENCE: 27
313 atgcagactc tccttgtgag ctcgcttgtg gtctccctcg ctgcggcc 48
315 <210> SEQ ID NO: 28
316 <211> LENGTH: 16
317 <212> TYPE: PRT
318 <213> ORGANISM: Aspergillus niger
320 <400> SEQUENCE: 28
321 Met Gln Thr Leu Leu Val Ser Ser Leu Val Val Ser Leu Ala Ala Ala
322 1 5 10 15
325 <210> SEQ ID NO: 29

VERIFICATION SUMMARY DATE: 08/04/2006
PATENT APPLICATION: **US/10/534,171** TIME: 12:56:00

Input Set : **E:\3912.1000-000 seq list.txt**
Output Set: **N:\CRF4\08042006\J534171.raw**

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L:1309 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:79